ITL	IOI	n	GIC	$\alpha$	2

' Page <u>1</u> of <u>8</u>

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L	·V	3 I	11	11	ma	г.

PL-1-	486	BLM-2-	630
PL-3-453	BLM-2	-482	NORTH NTS

NW 1/4 NW 1/4 NW 1/4 SE 1/4 S 5 T 21S R 3E

SITE ID: NASA-WSTF LOCATION ID: PL-3-453
SITE COORDINATES (ft.):
N _225366.27
GROUND ELEVATION (ft. MSL): 4496.89 (BRASS CAP)
STATE: NEW MEXICO COUNTY: DOÑA ANA
DRILLING METHOD: Mud/Air Foam Rotary
DRILLING CONTR.: Larjon
DATE STARTED: 24 October 1988 DATE COMPLETED: 9 November 1988

FIELD REP.: P.S. Egan, J.P. Kaszuba COMMENTS: Mud rotary, 0'-89'. 12 1/4" pilot hole reamed to 16",

0'-85'. Air Foam rotary with 9 7/8" bit, 90'-297. Bedrock not

LOCATION DESCRIPTION:			reached. To	otal Depth (	TD): 497'. Drift survey: 9.5 ft.
Depth	Visual % Lith	Drilling Time Scale: min	Sample Type and Interval		Lithologic Description
5		38	Cuttings 0'-497'	0'-90'	Clay-Rich Alluvium (Santa Fe Group): Moderate yellowish brown (10YR 5/4); cuttings range in size from <.004 to .06 inches, are small thin flakes to blocky clasts, and are poorly to moderately- sorted. Natural grains consist of fine to medium-grained sand and silt. The lithology is an unconsolidated, clay-
10		· 42			rich, gravelly, polygenetic con- glomerate. Much of the clay contains fine-grained sand and silt and the percentage of pure clay increases towards the bottom of the interval.
15		35			Alluvial clasts consist of limestone, rhyolite, quartzite, siltstone, granite, and minor amounts of sandstone, described in further detail below.
20		33			
25		61			
30		49		30'-35'	Gravelly interval.
35		40			
40		24		40'-45'	Large amount of fine-grained sand present in clay.
45		42			
50		40			

LOCATION ID: PL-3-453 Page <u>3</u> of <u>8</u> Sample Type and Interval **Drilling Time** Depth Visual % Lith Scale: min Lithologic Description Cuttings (cont'd) 3.5 4.5 3.5 

LOCAT	ION ID: PL-3-453			Page <u>6</u> of <u>8</u>
Depth		Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
310	11+1+1+1vv/:	5	Cuttings (cont'd)	
315	++++++×V:Z	4		,
320	++++++	8		•
325	1+++++VVV.Z	6		
330	++++++VV!// a a a a a a a a a a a a a a a a a a	4		
335	+++++++//V·:	5		
340	++++++V. Zea	3.5		
345	14444444444444444444444444444444444444	3	:	
350	+++++ + +M://Z	4	ļ	
355	HHHHHW:///	4		
360	++++++VV.   Z   2   2   2   2   2   2   2   2   2	4		
365	+++++++	5	1	
370	+++++++VV:Z	6		370'-375 Limestone exhibits calcite-filled fractures.
375	++++++M:Z	5		
	P 4 6 6 8			

LOCATION ID: PL-3-453 Page \_\_\_\_\_\_ of \_\_\_\_8\_ **Drilling Time** Sample Type Depth Visual % Lith Scale: min and Interval Lithologic Description Cuttings (cont'd) 375 5 380 3 385 4.5 390 3 395 5 400 6.5 405 4.5 410 5 415 420 420'-497' The percentage of both gray and purple andesite in cuttings gradually increasing. 425 7 430 435 440 7

LOCAT	ION ID: PL-3-453		. <u> </u>	Page <u>8</u> of <u>8</u>
l		Dnilli Ti	Cample T	
Depth	Visual % Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
440	+++++vvvZ:	7	Cuttings (cont'd)	-
445	+++++	4		
450	#####NONN:	5		
455	111111111111	5		
460	+1+1111MMM:	3		
465		3		
470	+ + + + + \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	6		
475	H+H+VVVV-1Z	6		
480	#### NAN 12	6		
485	VVVV+++1.7625625	6		
490	VVVVVI ++ 1: Z 0 25 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 5 5 5 5	6		
495	VVVVVIII.17	5		Total Depth = 497'
500				
505				
!				